



BRUHAT BANGALORE MAHANAGARA PALIKE

**Project: Improvements to Roads and drains at Jakkur Layout Colony in ward No 07 - Byatarayanapura,
Kodigehalli Sub Division.**

								Est Cost: =30.0Lakh	
Sl. No.	Description of work	Unit	No.	Length	Breadth	Depth	Quantity	Rate in Rs.	Amount in Rs.
				m	m	m			
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)								
	Desilt	Cum							
	Jakkur Layout Colony 3rd B Cross		2	85.00	0.40	0.30	20.40		
	Jakkur Layout Colony 2nd B Cross		2	35.00	0.40	0.30	8.40		
	Jakkur Layout Colony 1st Cross		2	225.00	0.40	0.30	54.00		
	cross road1		2	100.00	0.40	0.30	24.00		
	cross road 2		2	75.00	0.40	0.30	18.00		
	Over Burden Earth								
			2	20.00	1.00	0.30	12.00		
							136.80	186.92	25570.66
2	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)								
	BS Slab Cover	Sqm							
	Jakkur Layout Colony 3rd B Cross		2	85.00	0.60	--	102.00		
	Jakkur Layout Colony 1st Cross		2	80.00	0.90	--	144.00		
	Consider 30% for missing and Damage Slabs						-73.80		
							172.20	80.56	13872.43
3	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17)								
	For BS Slab Drain / Missing	Sqm					73.80		
							73.80	825.74	60939.61
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)								
	For L Shape Drain	Sqm							
	Jakkur Layout Colony 2nd B Cross		2	35	1.20		84.00		
	cross road1		2	100	1.20		240.00		
	cross road 2		2	75	1.20		180.00		
							504.00	665.68	335502.72
5	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)								
	Road Portion	Cum							
	bad raches								
	Jakkur Layout Colony 3rd B Cross		1	20	3.50	0.30	21.00		
	Jakkur Layout Colony 2nd B Cross		1	35	1.50	0.30	15.75		
	Jakkur Layout Colony 1st Cross		1	80	1.50	0.30	36.00		
	cross road1		1	30	6.80	0.30	61.20		
	cross road 2		1	25	5.80	0.30	43.50		

Sl. No.	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
							177.45	148.76	26397.46
6	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)								
	Bed Concrete	Cum							
	Jakkur Layout Colony 3rd B Cross		1	20	3.5	0.15	10.50		
	Jakkur Layout Colony 2nd B Cross		1	35	1.5	0.15	7.88		
	Jakkur Layout Colony 1st Cross		1	80	1.5	0.15	18.00		
	cross road1		1	30	6.8	0.15	30.60		
	cross road 2		1	25	5.8	0.15	21.75		
							88.73	5348.76	474568.73
7	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregates , with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rammers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) ((P.No.177, I.No.22.6.1 of PW,P&IWTD SR 2016-17)								
	Road Portion	Cum							
	Jakkur Layout Colony 3rd B Cross		1.00	85.00	3.50	0.10	29.75		
	Jakkur Layout Colony 2nd B Cross		1.00	35.00	2.50	0.10	8.75		
	Jakkur Layout Colony 1st Cross		1.00	225.00	4.50	0.15	151.88		
	cross road1		1.00	100.00	3.50	0.15	52.50		
	cross road 2		1.00	75.00	3.00	0.10	22.50		
	Hanuman temple surrounding roads		1.00	92.00	2.50	0.10	23.00		
							288.38	6217.96	1793104.22
8	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No.22.7 of PW, P&IWTD SR 2016-17)								
	Road Portion	Sqm							
	Jakkur Layout Colony 3rd B.Cross		1.00	85.00	3.50	--	297.50		
	Jakkur Layout Colony 2nd B Cross		1.00	35.00	2.50	--	87.50		
	Jakkur Layout Colony 1st Cross		1.00	225.00	4.50	--	1012.50		
	cross road1		1.00	100.00	3.50	--	350.00		

Sl. No.	Description of work	Unit	No.	Length	Breadth	Depth	Quantity	Rate in Rs.	Amount in Rs.
				m	m	m			
	cross road 2		1.00	75.00	3.00	--	225.00		
	Hanuman temple surrounding roads		1.00	92.00	2.50	--	230.00		
							2202.50	95.40	210118.50
							Total Construction Cost		2940074.333
9							Cost towards Preparation of DPR LS		29401.00
10							Cost towards PMC / Third Party inspection LS		29401.00
							Sub Total		2998876.33
11							Miscellaneous and rounding off		1123.67
							Total		3000000.00

Certificate.

- 1 The rates adopted based on the PWD SR, Bangalore circle for year 2016-17.
- 2 The provisions made in the estimate are necessary and essential.
- 3 The workspot was inspected and work is found to be necessary.
- 4 The area comes within the Bruhat Bangalore Mahanagara Palike limits.

For Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

KEY MAP :1. JAKKUR LAYOUT

